

34. (New) The nucleic acid molecule of claim 30, wherein said nucleic acid molecule is fused to a nucleic acid molecule encoding a second protein.

35. (New) The nucleic acid molecule of claim 34, wherein said second protein is selected from the group consisting of hemagglutinin, GST, maltose binding-protein, or a fragment of any one of said second proteins.

36. (New) A nucleic acid probe for the detection of nucleic acid molecules encoding a Fibroblast Growth Factor Receptor Protein Kinase Substrate 2 (FRS2) polypeptide comprising of a nucleic acid molecule that encodes an amino acid sequence consisting of a fragment of SEQ ID NO: 1 comprising at least 10 contiguous amino acids or the complement thereof.

37. (New) The nucleic acid probe of claim 36, wherein said fragment comprises at least 15, 20, 25, 30, 35, 40, 50, 100, 200, 300, 500, or 508 contiguous amino acids or the complement thereof.

*Rule 1.26* <sup>38</sup>  
~~37.~~ (New) A nucleic acid vector comprising the nucleic acid probe of claim 37 and a promoter effective to initiate transcription in a host cell.

39. (New) A recombinant cell or tissue comprising the nucleic acid probe of claim 37.